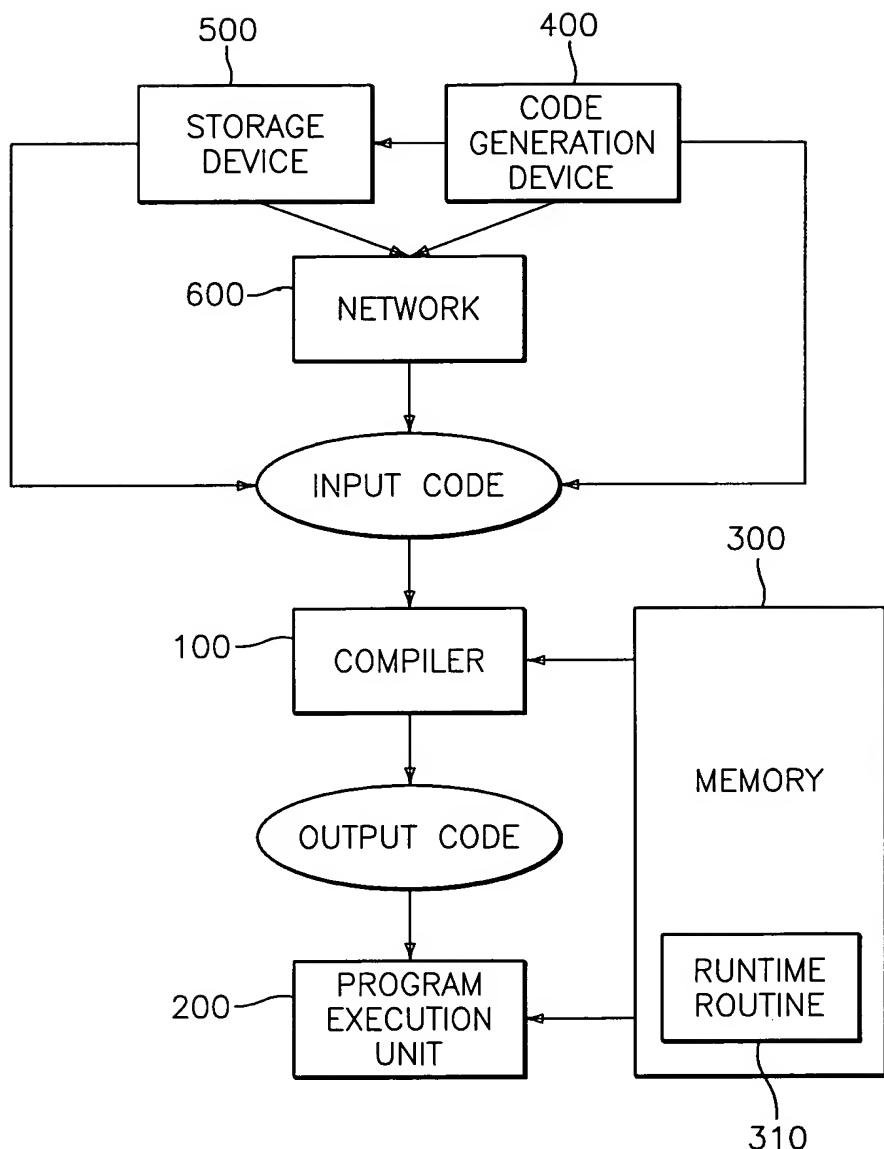




1/18  
JP920010303US1  
Ogasawara, et al.



*FIG. 1*

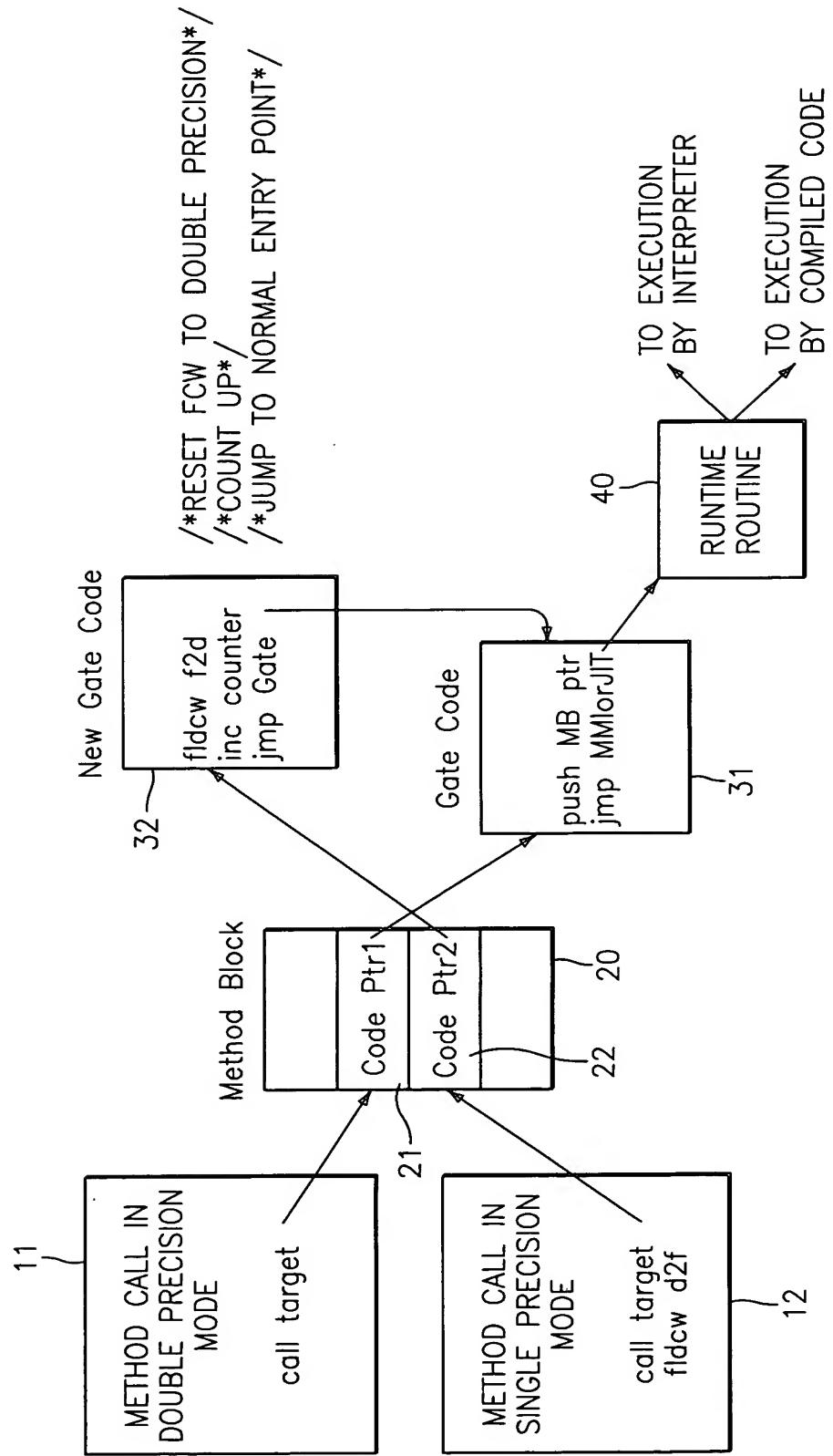


FIG. 2

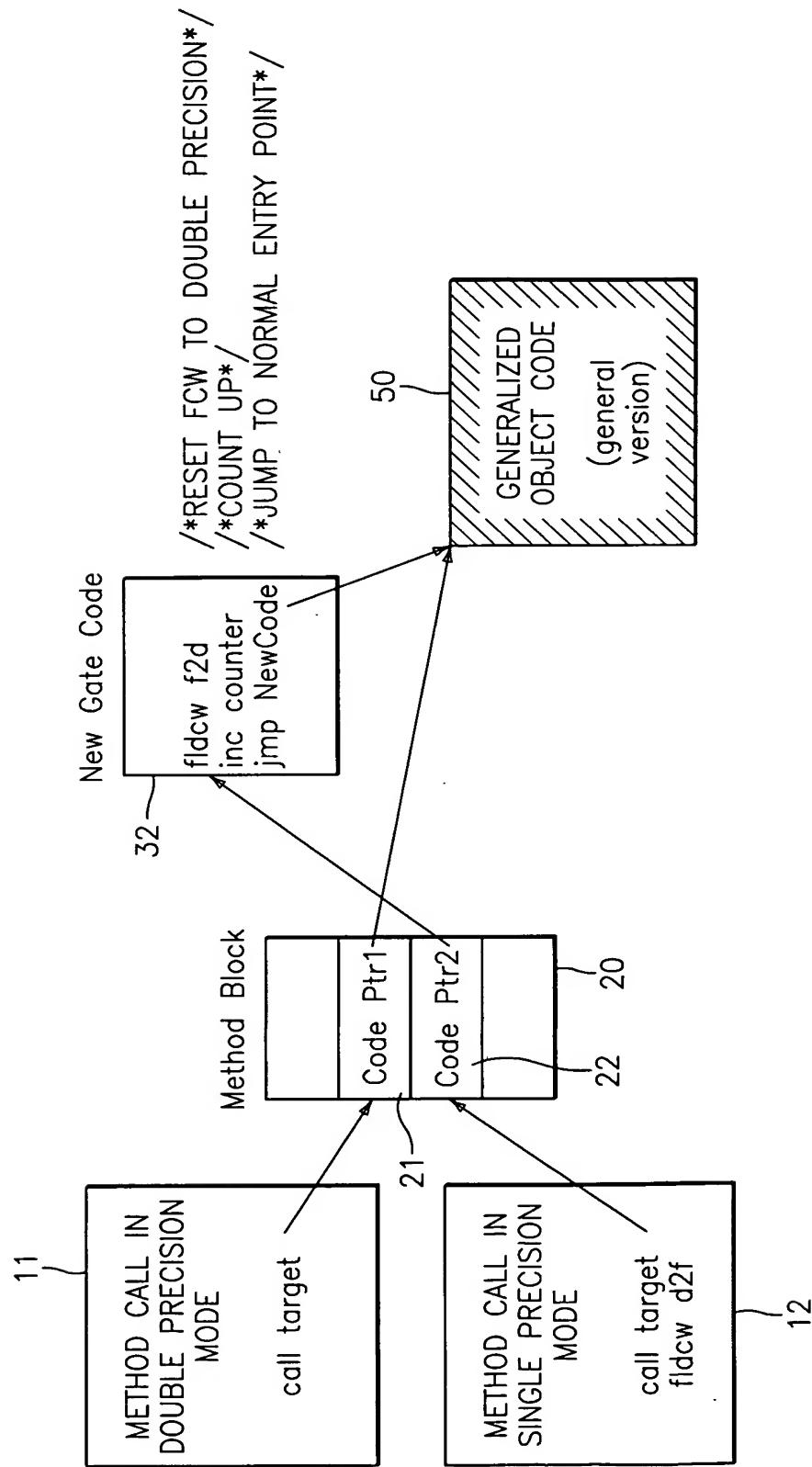


FIG. 3

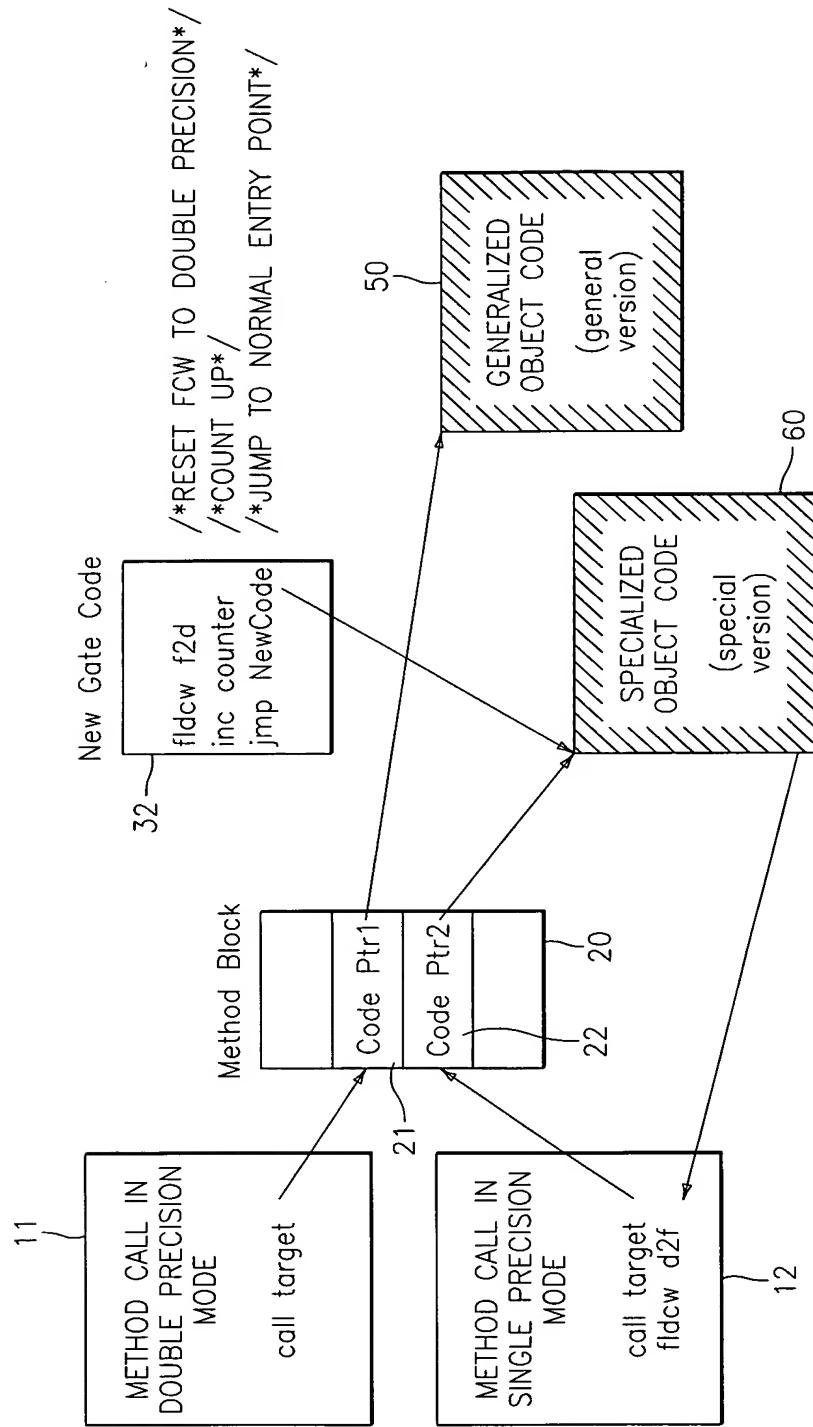
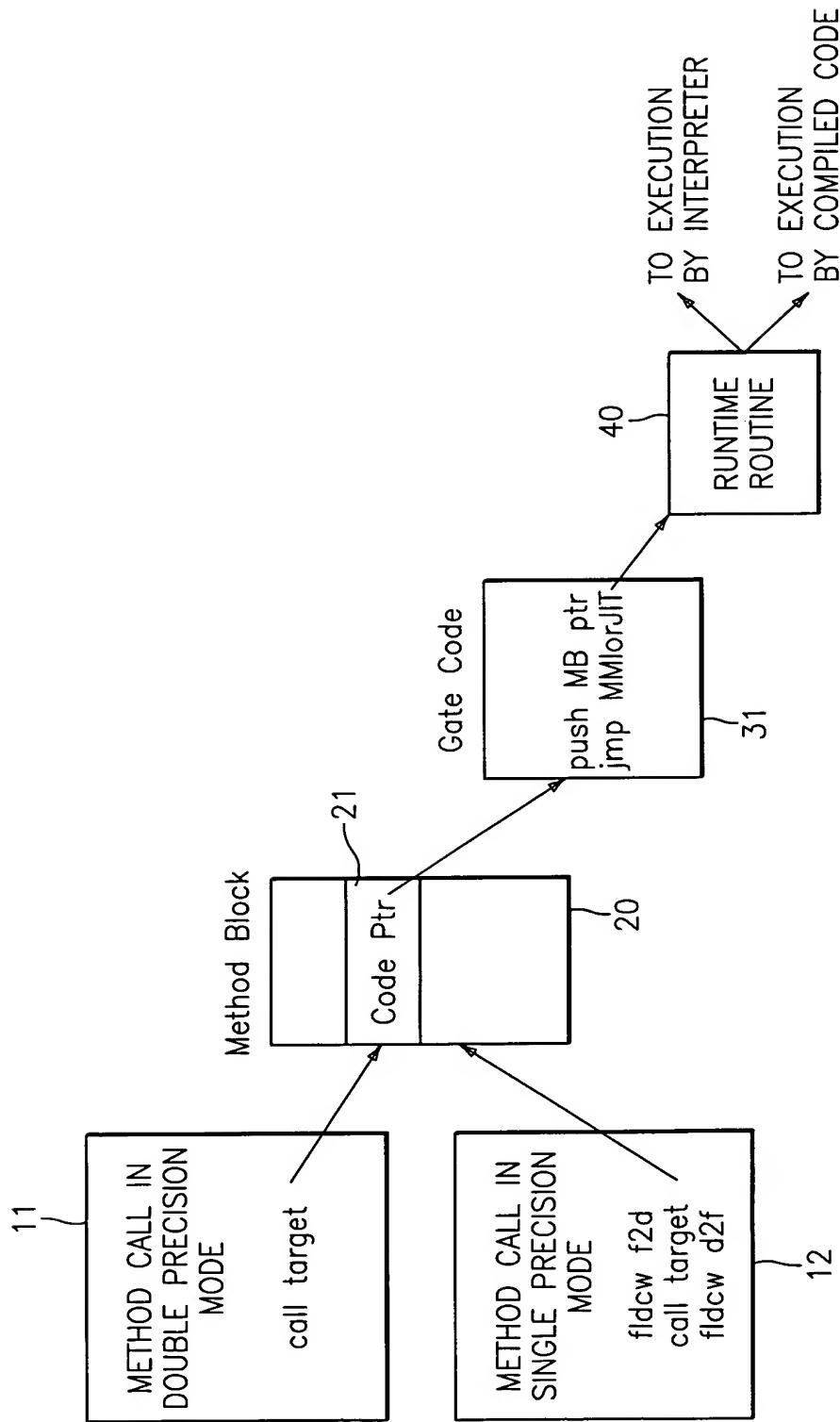


FIG. 4



**FIG. 5**  
(PRIOR ART)

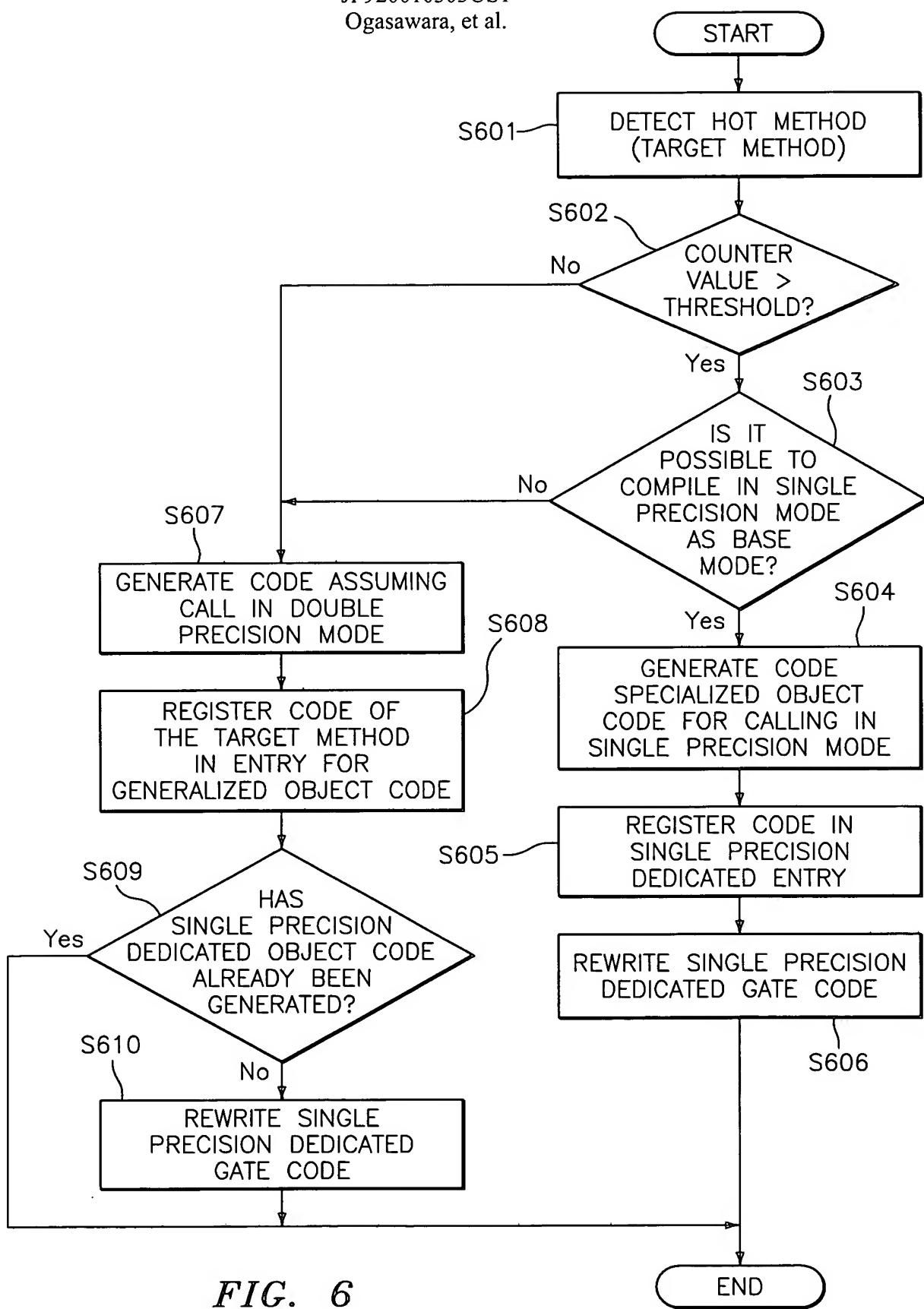


FIG. 6

7/18  
JP920010303US1  
Ogasawara, et al.

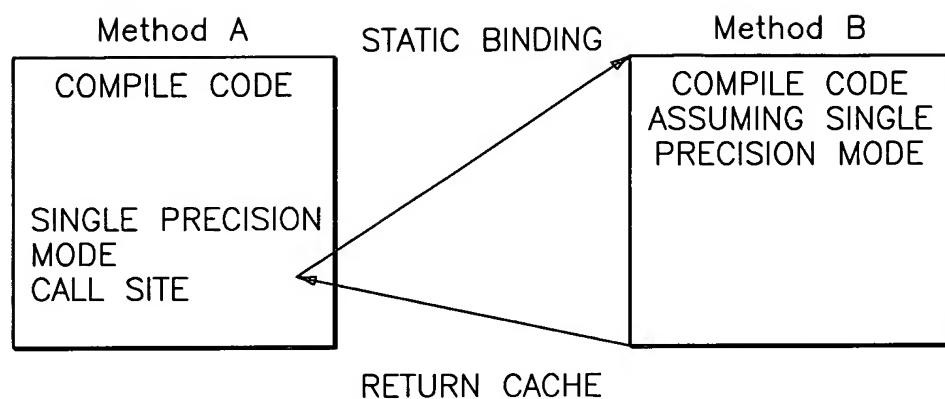


FIG. 7

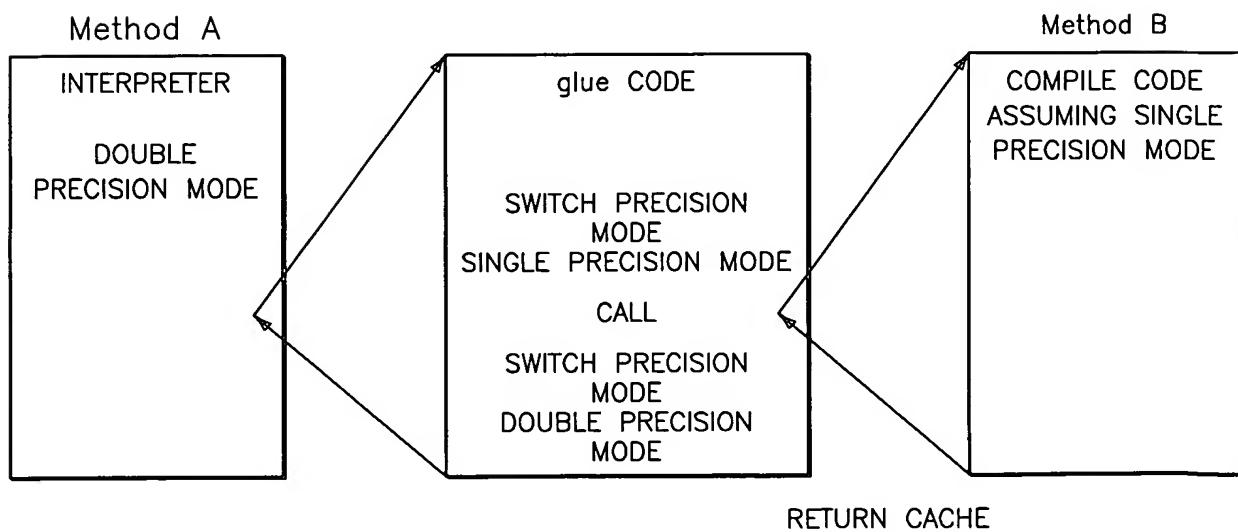
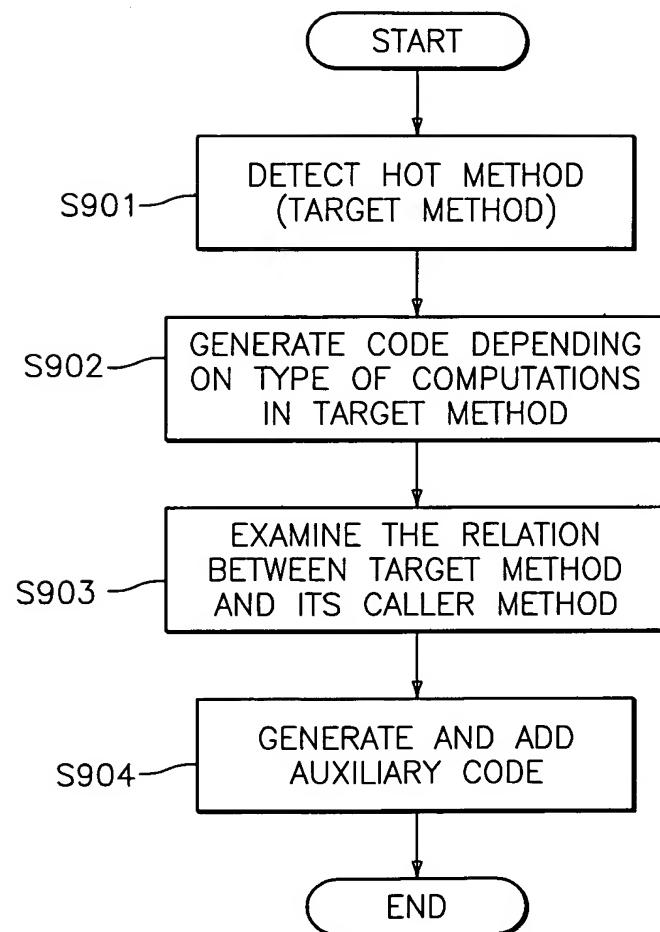


FIG. 8



*FIG. 9*

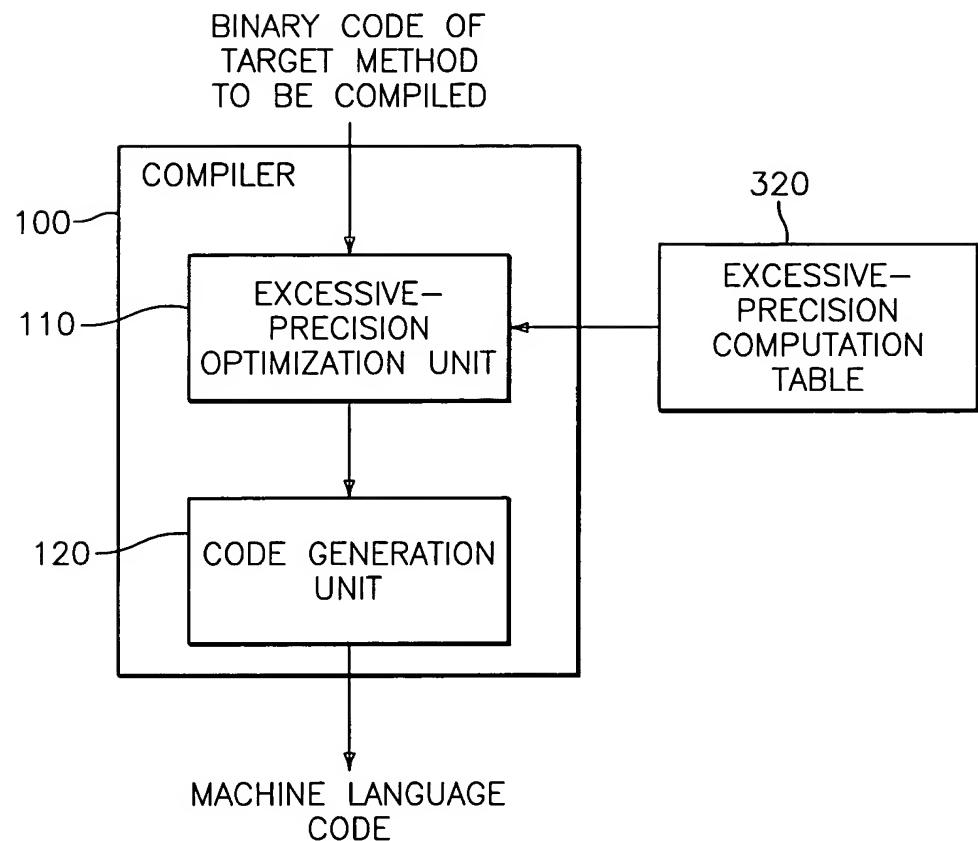
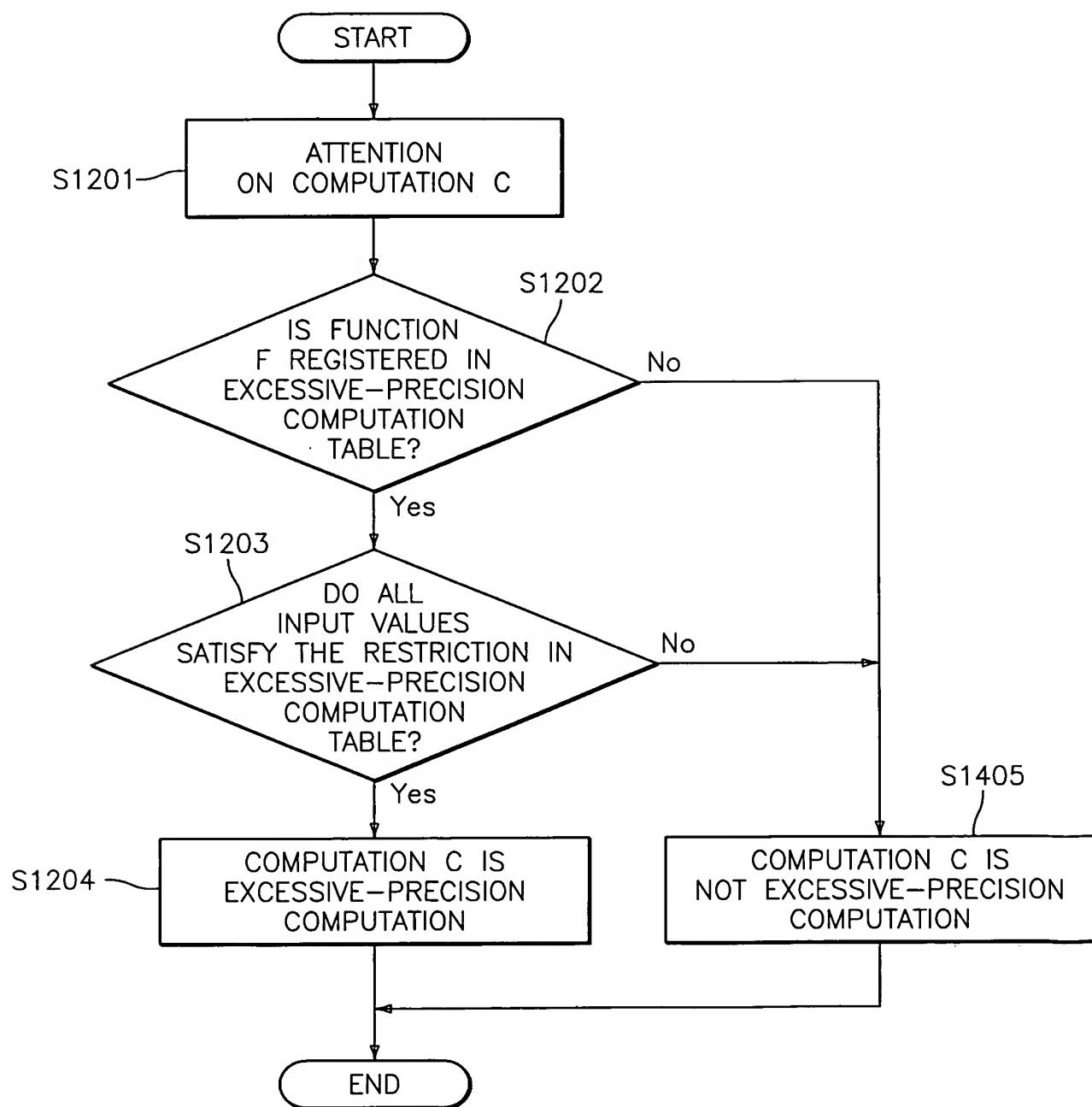


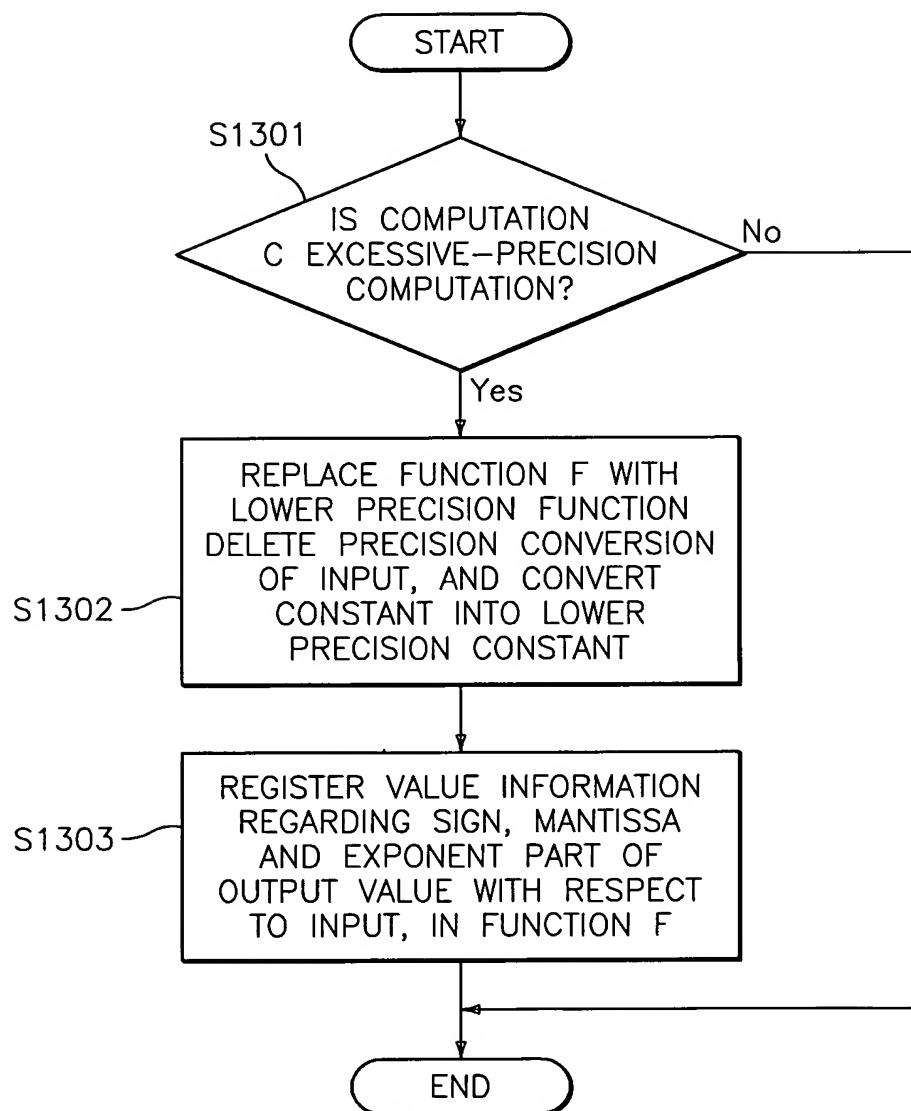
FIG. 10

KIND OF OPERATION	RESTRICTION ON INPUT 1	RESTRICTION ON INPUT 2	...
DMUL	MANTISSA IS SINGLE PRECISION	MANTISSA IS 1	
DSQRT+D2F	MANTISSA IS SINGLE PRECISION	N/A	
• • •			

FIG. 11



*FIG. 12*



*FIG. 13*

12/18

JP920010303US1

Ogasawara, et al.

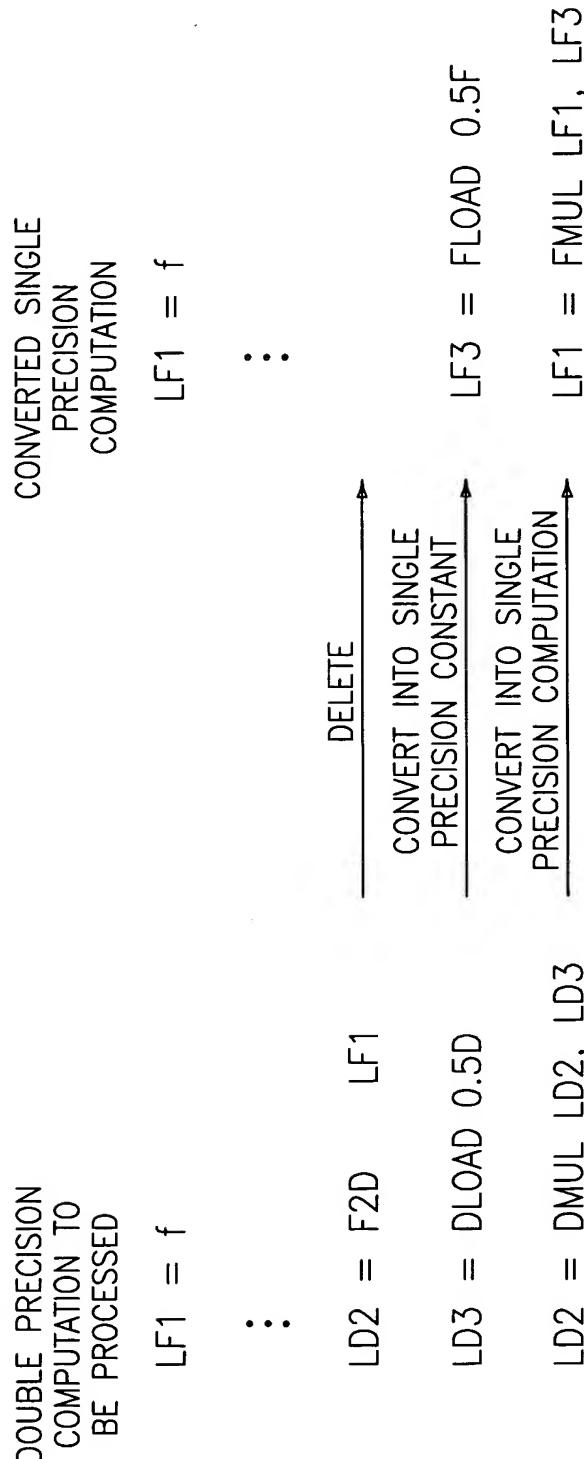


FIG. 14

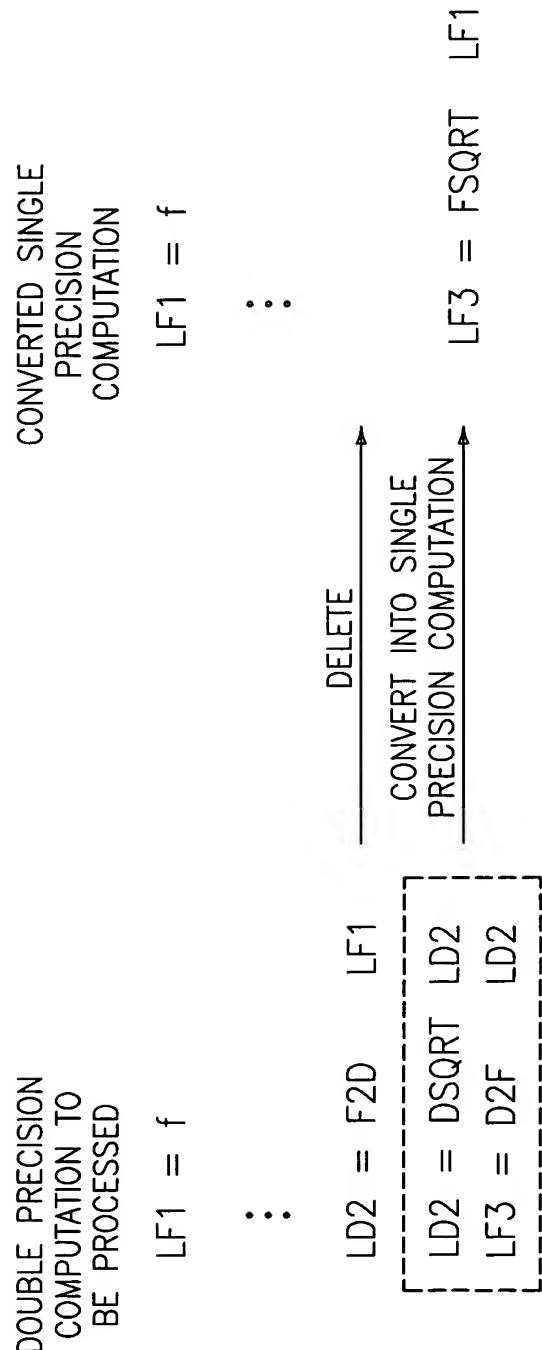
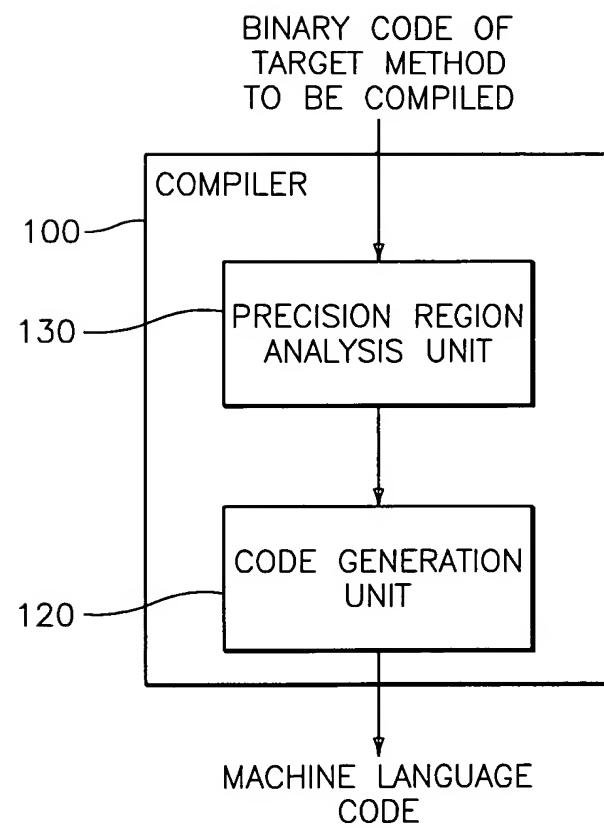


FIG. 15



*FIG. 16*

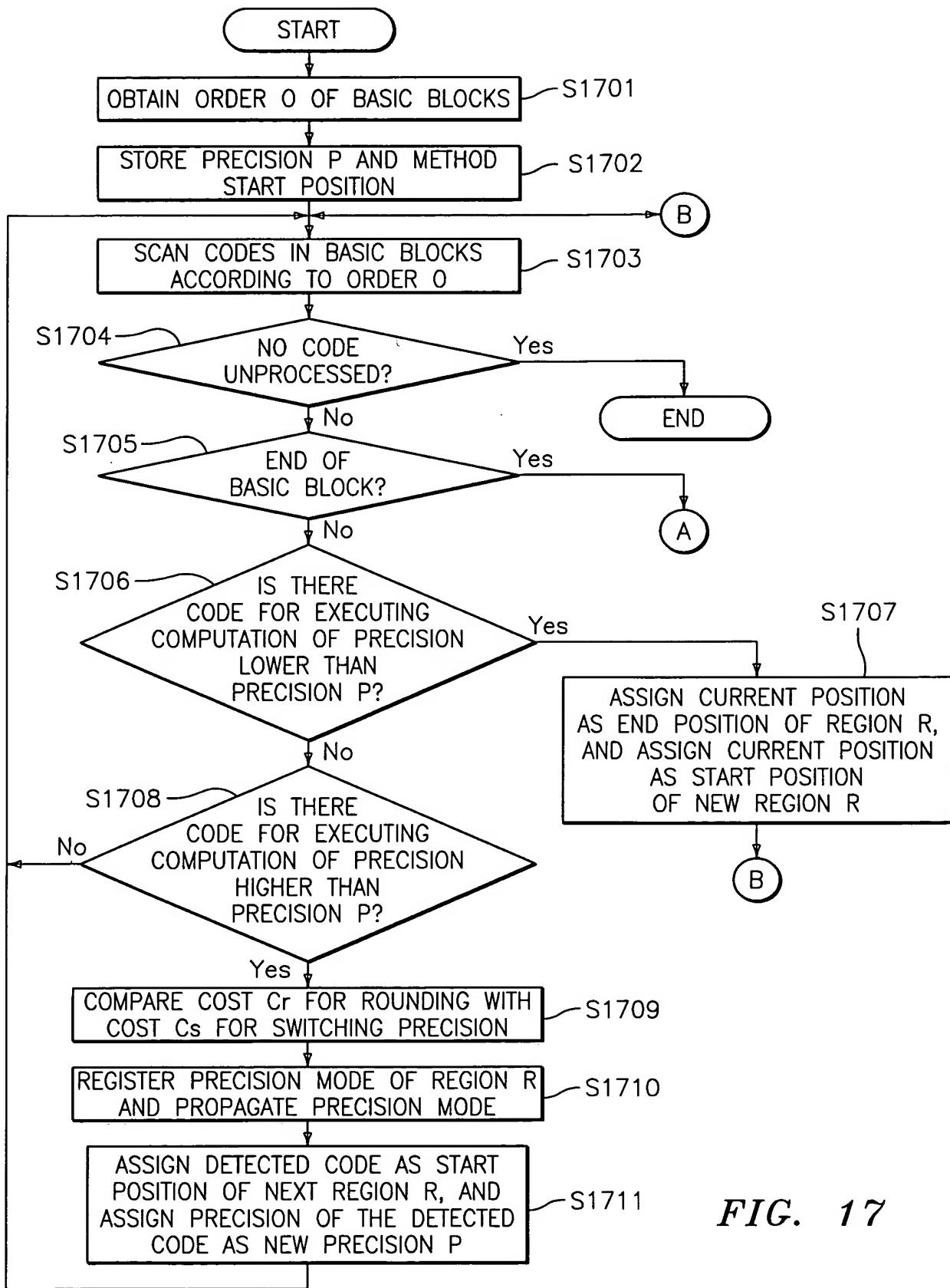


FIG. 17

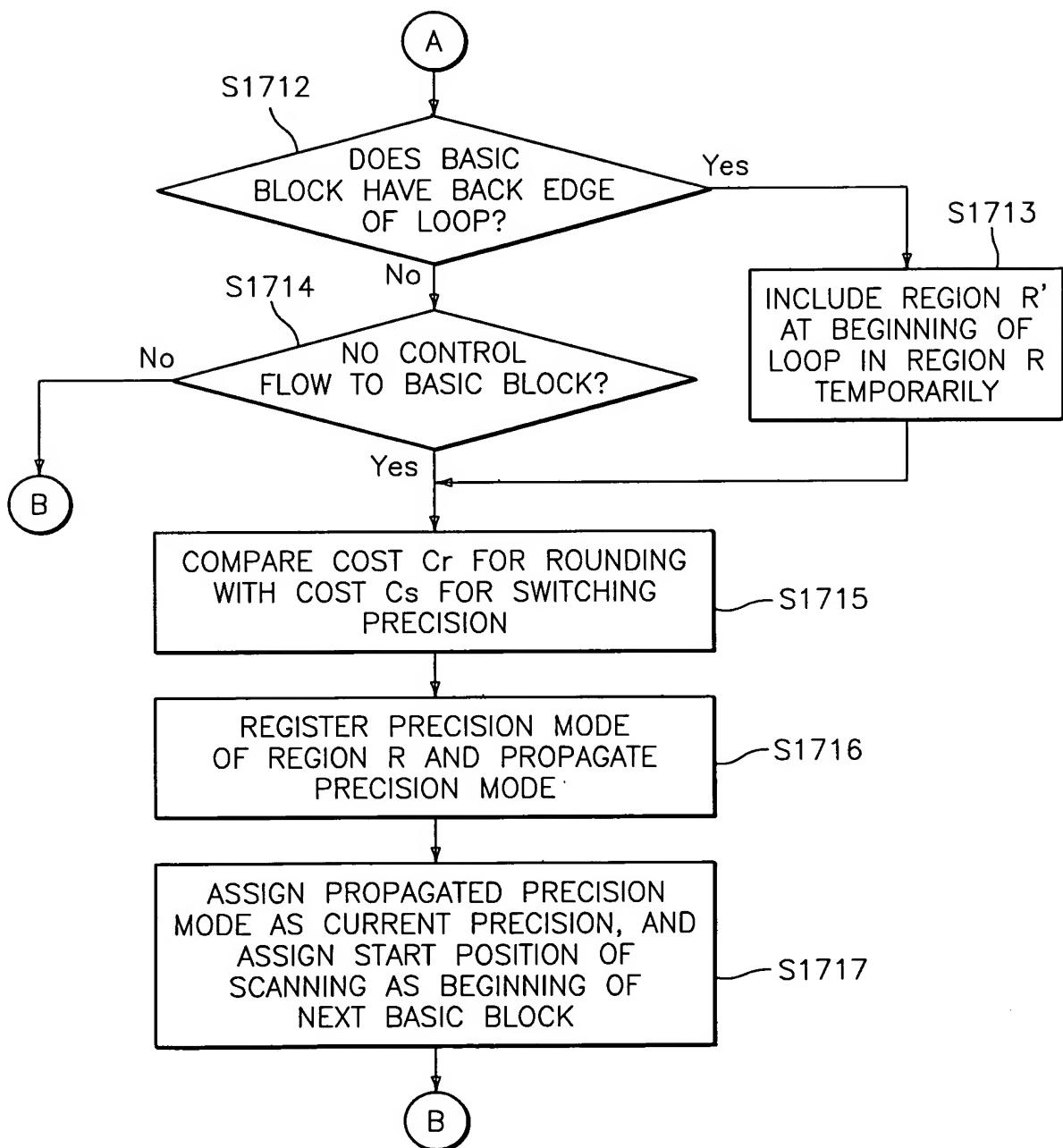


FIG. 18

(A)

```
if (cond) (
    statement11
    statement12
) else (
    statement21
    statement22
)
statement3
```

(B)

```
Basic Block 1
test cond
if true go to Basic Block 2
go to Basic Block 3

Basic Block 2
statement11
statement12
go to Basic Block 4

Basic Block 3
statement21
statement22
go to Basic Block 4

Basic Block 4
statement3
```

*FIG. 19*

2001

R NUMBER	START POSITION	END POSITION	BASIC BLOCKS INCLUDED IN THE REGION	ATTRIBUTE
1	THE THIRD INSTRUCTION IN BASIC BLOCK 1	THE SECOND INSTRUCTION IN BASIC BLOCK 3	1, 2, 3	SINGLE PRECISION
2	• • •	• • •	• • •	• • •
• • •				

FIG. 20